



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

CHAWA, K.

Serial No. 09/302,397

Filed: April 30, 1990

For: SPEECH CODING APPARATUS AND SPEECH DECODING APPARATUS

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Examiner: Armstrong, A.

Group Art Unit: 2641

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Technology Center 2600

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following amendments and remarks are submitted in response to the Office Action mailed on July 3, 2001 in connection with the above-identified application.

IN THE CLAIMS

Please amend claims 1-7 as follows. A clean version of the amended claims is attached to this paper.

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1. (Amended) A speech coding apparatus including at least:

a spectrum parameter calculation section for receiving a speech signal, obtaining

a spectrum parameter, and quantizing the spectrum parameter,

an adaptive codebook section for obtaining a delay and a gain from a past quantized sound source signal by using an adaptive codebook, and obtaining a residue by predicting a speech signal, and